

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) Interface unit (16) for employment at a dentist's or dental treatment/workstation, which is provided for the purpose of passing on signals containing image information,

wherein the interface unit (16) has the following features:

at least two inputs for receiving input signals containing image information,

at least two outputs for passing on output signals containing image information to one or more displays (13) connectable with the interface unit (16) and/or to further interface units (16) and

at least one internal transfer unit (70, 72) for selectively passing on of the input signals containing image information to the outputs,

and wherein the interface unit (16) further has a processing unit (73) for conversion of an analog video input signal into an output signal corresponding to a PC standard.

2. (Currently Amended) Interface unit according to claim 1,

characterized in that, wherein

the processing unit (73) has on the input side a first conversion block (73a) for conversion of the analog video signal into a digital signal.

3. (Currently Amended) Interface unit according to claim 2,

characterized in that, wherein

the digital signal produced by the first conversion block (73a) can be delivered to a processing block (74) for digital processing of the video signal.

4. (Currently Amended) Interface unit according to claim 2 or 3,

~~characterized in that, wherein~~

the digital signal produced by the first conversion block (73a), and if applicable processed by the processing block (74), can be delivered selectively to the first transfer unit (70) or to at least a further conversion unit (75) for the generation of a signal corresponding to a PC graphic standard.

5. (Currently Amended) Interface unit according to claim 4,

~~characterized in that, wherein~~

the second conversion unit (75) forms an output signal corresponding to the VGA standard.

6. (Currently Amended) Interface unit according to claim 5,

~~characterized in that, wherein~~

the digital signal produced by the first conversion block (73a), and if applicable processed by the processing block (74), can be delivered to a third conversion unit (76) for the generation of an output signal corresponding to the DVI standard.

7. (Currently Amended) Interface unit according to ~~any preceding~~ claim 1,

~~characterized in that, wherein~~

this has at least two inputs and two outputs for video signals, and a first transfer unit (70) via which the video input signals are selectively passed on to the outputs.

8. (Currently Amended) Interface unit according to ~~any of claims~~ claim 1 to 7,

~~characterized in that, wherein~~

at least one input signal is a signal corresponding to a PC graphic standard.

9. (Currently Amended) Interface unit according to claim 8,

characterized in that, wherein

this unit has at least two inputs and two outputs for signals corresponding to the PC graphic standard and a second transfer unit (72) via which the signals are selectively passed on to the outputs.

10. (Currently Amended) Interface unit according to claim 8 or 9,

characterized in that, wherein

the signals corresponding to the PC graphic standard are VGA signals.

11. (Currently Amended) Interface unit according to ~~any of claims claim 1 to 10~~,

characterized in that, wherein

this unit further has at least two inputs and outputs for audio signals, which in each case are associated with the inputs and outputs for the signals containing image information, and an audio transfer unit (71) via which the audio signals at the inputs are passed on to the associated outputs in accordance with the passing on of the signals containing the image information.

12. (Currently Amended) Dentist's or dental treatment/workstation, having

an interface unit (16) in accordance with any preceding claim, and at least one further device (10, 11, 12), in particular a dentist's work and/or examination device,

an input device (50) for the generation and wireless transmission of navigation and/or control information for activation and control of functions of the interface unit (16) or of the devices (10, 11, 12), and

a functional unit (41), connected upstream of the devices (10, 11, 12, 16), which receives the navigation and/or control information transmitted from the input device (50) and passes it on to the devices (10, 11, 12, 16).

13. (Currently Amended) Dentist's or dental treatment/workstation according to claim

12,

characterized in that, wherein

the interface unit (16) is integrated in the functional unit (41).

14. (Currently Amended) Dentist's or dental treatment/workstation according to claim 12 or 13,

characterized in that, wherein

the functional unit (41) passes on the navigation and/or control information transmitted from the input device (50) at least in part in a wireless manner to the devices (10, 11, 12, 16).

15. (Currently Amended) Dentist's or dental treatment/workstation according to claim 14,

characterized in that, wherein

the functional unit (41) has a master module (42) for wireless communication with the devices (10, 11, 12, 16), whereby there is associated with the devices (10, 11, 12, 16) in each case a slave module (10a, 11a, 12a) which passes on the information received from the master module (42) to the associated device (10, 11, 12, 16).

16. (Currently Amended) Dentist's or dental treatment/workstation according to claim 15,

characterized in that, wherein

the slave modules (10a, 11a, 12a) are integrated in the respective devices (10, 11, 12, 16) or connected with these via an RS232 interface and/or a PC interface.

17. (Currently Amended) Dentist's or dental treatment/workstation according to ~~any of~~ claims claim 12 to 16,

characterized in that, wherein

the functional unit (41) further stands in connection with a server (40), wherein there is effected an exchange of data between the server (40) and the devices (10, 11, 12 and 16) via the functional unit (41).

18. (Currently Amended) Dentist's or dental treatment/workstation according to claim 17,

~~characterized in that, wherein~~

the functional unit (41) is connected with the server (40) via a USB interface.

19. (Currently Amended) Dentist's or dental treatment/workstation according to ~~any of claims~~ claim 12 to 18,

~~characterized in that, wherein~~

the input device (50) has:

a first input element (52) for the generation of navigation information for the control of a pointer on a user interface which is represented on a display (13, 14, 15) of the dentist's treatment station,

at least a second input element (55) for the generation of control information with which functions of the devices (10, 11, 12, 16) are selectable and/or activatable independently of the navigation information generated by ~~means of~~ the first input element (52),

transfer means (51) for the wireless transmission of the navigation and control information generated with the aid of the first and second input elements (52, 55) to the devices (10, 11, 12, 16) or to a functional unit (41) connected upstream of the devices (10, 11, 12, 16).

20. (Currently Amended) Dentist's or dental treatment/workstation according to claim
19,

characterized in that, wherein

the control information generated via the second input element (55) can be employed for the control of the at least one device (10, 11, 12, 16) independently of a unit (40) administering the user interface.

21. (Currently Amended) Dentist's or dental treatment/workstation according to claim
20,

characterized in that, wherein

the first input element (52) has a navigation element (53) for the generation of two-dimensional navigation information and at least two selection keys (54a, 54e) for the generation of supplementary selection information.

22. (Currently Amended) Dentist's or dental treatment/workstation according to claim
21,

characterized in that, wherein

the navigation element is a joystick (53).

23. (Currently Amended) Dentist's or dental treatment/workstation according to claim
22,

characterized in that, wherein

the joystick (53) can be pressed down for the generation of a supplementary item of selection information.

24. (Currently Amended) Dentist's or dental treatment/workstation according to claim
22 or 23,

characterized in that, wherein

in a menu mode the functioning of the navigation element (53) is blocked, and solely the selection information can be generated with the aid of the selection keys (54a, 54e).

25. (Currently Amended) Dentist's or dental treatment/workstation according to ~~any of~~ claims ~~claim 22 to 24,~~

characterized in that, wherein

the second input element (55) is formed by ~~means of~~ a function key field having a plurality of function keys (56 to 63).

26. (Currently Amended) Dentist's or dental treatment/workstation according to claim 25,

characterized in that, wherein

a part of the function keys (56 to 58) is provided for control of the interface unit (16).

27. (Currently Amended) Dentist's or dental treatment/workstation according to claim 26,

characterized in that, wherein

a part of the function keys (59 to 61) is provided for selection of a video image source intended for representation on a display (13).

28. (Currently Amended) Dentist's or dental treatment/workstation according to claim 26 or 27,

characterized in that, wherein

a part of the function keys (62, 63) is provided for the selection of an image signal corresponding to a PC graphic standard, in particular corresponding to the VGA standard, intended for representation on a display (13).